



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Nana Wall System Inc.
707 Redwood Highway
Mill Valley, CA 94941

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "SL-73" Aluminum Outswing Folding Doors – L.M.I.

APPROVAL DOCUMENT: Drawing No. 1635 A, titled "SL-73 Out-Swing Impact Folding Panels", sheets 01 through 08 of 08, dated 11/23/09 and last revision "B1" dated 02/19/15, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 04/15/15, signed and sealed by Warren W. Schaefer, P. E., bearing the Miami-Dade County Product Control Section Renewal stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LIMITATIONS: 1. Maximum panel width = D.L.O. width + 8.125".

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, **Richmond, CA** or **Bissendorf, Germany**, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

REVISION of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises and renews NOA No. 14-0428.04 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
4/23/15

NOA No. 15-0226.05
Expiration Date: August 11, 2020
Approval Date: April 30, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 10-0322.19)
2. Drawing No. **1635 A**, titled "SL-73 Out-Swing Impact Folding Panels", sheets 01 through 08 of 08, dated 11/23/09 and last revision "**B1**" dated 02/19/15, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 04/15/15, signed and sealed by Warren W. Schaefer, P. E.

B. TESTS

1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94along with marked-up drawings and installation diagram of an aluminum outswing folding door, prepared by Architect Testing, Inc., Test Report No. **ATI-91077.01-301-18**, dated 06/15/09 with revision "**3**" dated 03/09/10, signed and sealed by Tyler Westerling, P. E. and by Joshua M. Royce, P. E.
(Submitted under previous NOA No. 10-0322.19)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)**, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 02/19/15, signed and sealed by Warren W. Schaefer, P. E.
2. **Glazing complies with ASTM E1300-04/ 09**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their "**Kuraray SentryGlas® Interlayer**" expiring on 01/14/17.
2. TREMCO Part No. **TR-14271E** **EPDM exterior glazing gasket** complying with ASTM C864 Option II exceptions, ASTM D412 1600 PSI, D395B 22 HRS 158°F.
(Submitted under previous NOA No. 10-0322.19)



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 15-0226.05
Expiration Date: August 11, 2020
Approval Date: April 30, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS (CONTINUED)

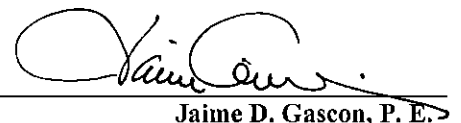
3. Test report No. **ATI-60520.01-106-18**, prepared by Architectural Testing, Inc., dated 11/09/06, issued to Tecatherm, for their **66 GF Insul-Bar Thermal Barrier** per **ASTM G-55 Standard Test Method for "Evaluating Coating Patch Materials – Xenon Arch Weathering"**, **ASTM D635 "Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position"**, **ASTM D638 "Standard Test Methods for Tensile Properties of Plastics"**, **ASTM D1929 "Standard Test Method for Ignition Properties of Plastics"** and **ASTM D2843 "Standard Test Method for the Density of Smoke from the Burning Decomposition of Plastics"**, signed by Joseph M. Brickner and Todd D. Burroughs.
(Submitted under previous NOA No. 10-0322.19)

F. STATEMENTS

1. Statement letter of conformance to, of complying with **FBC 5th Edition (2014)** and of no financial interest, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 02/19/15, signed and sealed by Warren W. Schaefer, P. E.
2. Distribution agreement between Solarlux Nana Mfg., LLC, Richmond, CA and Nana Wall System, Inc., Corte Madera, CA., dated 04/20/15, signed by Ebrahim Nana and Ahmad Nana, respectively.
3. Laboratory addendum letter for Test Report No. **ATI-91077.01-301-18**, issued by Architect Testing, Inc., dated 06/16/11, signed and sealed by Tyler Westerling, P. E. and Michael D. Stremmel, P. E. *(Submitted under previous NOA No. 11-1024.05)*
4. Distribution agreement between Solarlux Aluminium Systeme, GmbH, Bissendorf/Osnabrueck, Germany and Nana Wall System, Inc., Mill Valley, CA., dated 12/02/09, signed by Stefan Holtgreife, C.E.O. and Ahmad Nana, V.P., respectively.
(Submitted under previous NOA No. 10-0322.19)
5. Statement letter of no financial interest, conformance to and of complying with **FBC-2010**, issued by W. W. Schaefer Engineering & Consulting, P. A., dated 10/18/11, signed & sealed by Warren W. Schaefer, P. E.
(Submitted under previous NOA No. 10-0322.19)
6. Laboratory compliance letter for Test Report No. **ATI-91077.01-301-18**, issued by Architect Testing, Inc., dated 06/15/09, signed and sealed by Tyler Westerling, P. E. and by Joshua M. Royce, P. E. *(Submitted under previous NOA No. 10-0322.19)*

G. OTHERS

1. Notice of Acceptance No. **14-0428.04**, issued to Nana Wall System, Inc. for their Series **"SL-73 Aluminum Outswing Folding Doors – LMI"**, approved on 06/10/14 and expiring on 08/11/15.


Jaime D. Gascon, P. E.

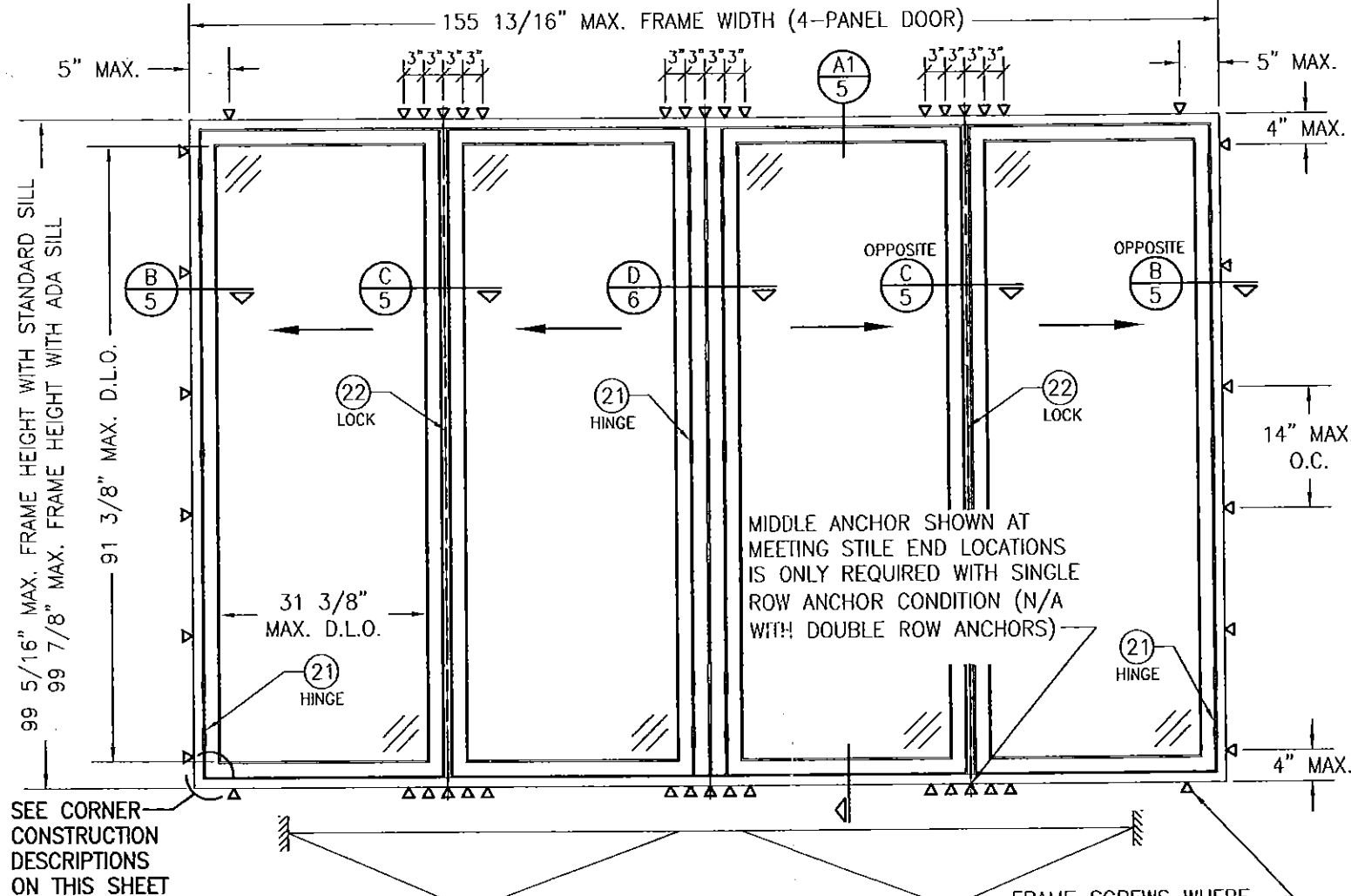
Product Control Section Supervisor

NOA No. 15-0226.05

Expiration Date: August 11, 2020

Approval Date: April 30, 2015

1. THIS PRODUCT HAS BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT PRODUCTS.
5. THIS PRODUCT HAS BEEN DESIGNED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THIS PRODUCT.
7. ALL ANCHORS SECURING PRODUCT FRAMES TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED PER THE ASCE-7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE.



5 PER PANEL (ALL PANEL SIZES)
PLACED APPROXIMATELY 5" & 13" FROM
TOP & BOTTOM & AT MIDDLE OF PANEL

FRAME SCREWS

OPENING TYPE (SUBSTRATE)	FRAME TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
(1) SINGLE SCREW ROW			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 14 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 16 GA. 33 KSI METAL STUD	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU	(2) 1/4" CONCRETE SCREW	1 1/4"	2 1/2"
MIN. 2500 PSI CONCRETE	(2) 1/4" CONCRETE SCREW	1 1/2"	2 1/2"

(3) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU	(2) 1/4" CONCRETE SCREW	1 1/4"	2"
MIN. 2500 PSI CONCRETE	(2) 1/4" CONCRETE SCREW	1 1/2"	2"

- (1) WHEN SINGLE SCREW ROW ANCHORING METHOD IS USED SCREWS MUST HAVE A $\phi 3/4"$ O.D. FLAT WASHER AT THE SCREW HEAD.
- (2) CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX (S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S. OR S.S.) OR HILTI KWIK-CON II (C.S. OR S.S.).
- (3) 2X6 WOOD BUCK MAY BE RIPPED DOWN TO 4 1/2" PROVIDING THAT REQ'D SCREW TO BUCK EDGE DISTANCES ARE MAINTAINED.

SCALE: 1/2" = 1'-0"

(4-PANEL DOOR SHOWN. SEE SHEET 4 FOR
OTHER DOOR PANEL QUANTITY CONDITIONS AND
RESTRICTIONS.)

FRAME SCREWS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR REQUIREMENTS (APPLICABLE TO SINGLE OR DOUBLE ROW OF SCREWS).

FRAME (WITH STANDARD RAISED SILL): MEMBERS ARE MITERED, BUTTED & JOINED VIA (2)TWO CORNER KEYS (ITEM #12) EACH CORNER KEY IS SECURED WITH (2)TWO Ø5/16" X 3/4" BRASS CONE PINS. CORNERS ARE SEALED WITH SILICONE SEALANT.

FLUSH SADDLE SILL: MEMBERS ARE SQUARE CUT, BUTTED & JOINED VIA AN END CAP WITH (3)THREE 1/8" X 5/8" FHFT SCREWS AT THE SILL & (2)TWO 1/8" X 5/8" FHFT SCREWS AT THE VERTICAL MEMBER. CORNERS ARE SEALED WITH A CUSHION WEATHERSTRIPPING.

RAIL TO STILE: MEMBERS ARE MITERED, BUTTED & JOINED VIA (2)TWO CORNER KEYS (ITEM #13 & #14) THE CORNER KEY IS SECURED BY CRIMPING (2)TWO LEGS EACH PANEL CORNERS ARE SEALED WITH SILICONE SEALANT.


PRODUCT RENEWAL
as complying with the Florida
Building Code
Acceptance No. **15-0226.0E**
Expiration Date **08/11/2020**
By *[Signature]*
Miami Dade Product Control

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR NATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

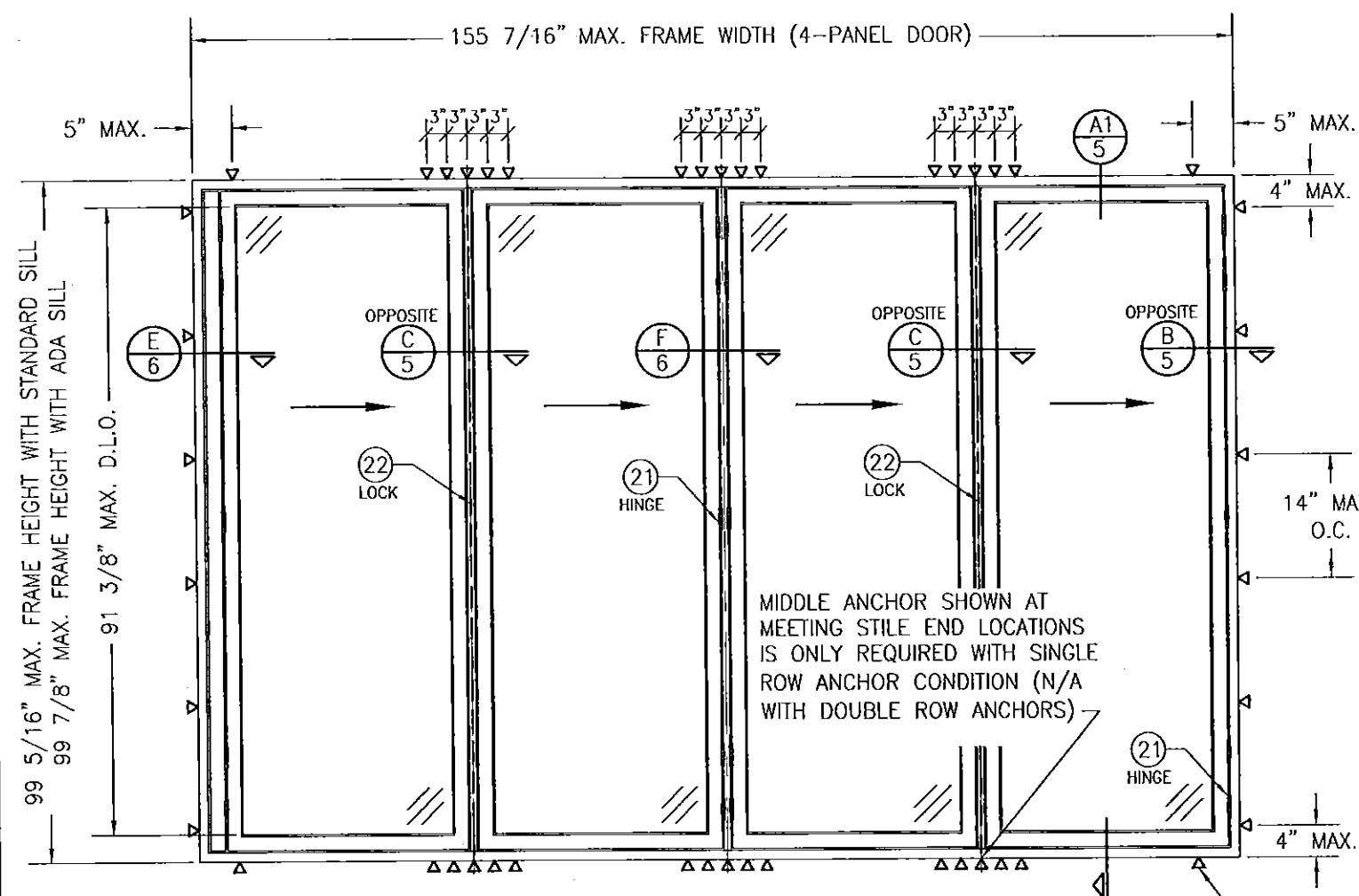
(1) MAX. FRAME HEIGHT (IN.)	MAX. D.L.O. WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)	
		POS.	NEG.
99 7/8	31 3/8	70.0	70.0
	28 3/8	75.8	75.8
	25 3/8	80.0	82.5
	22 3/8	80.0	90.0
93 7/8	31 3/8	74.5	74.5
	28 3/8	80.0	80.6
	25 3/8	80.0	87.8
	24 3/8	80.0	90.0
87 7/8	31 3/8	79.6	79.6
	28 3/8	80.0	86.1
	26 3/8	80.0	90.0
82 7/8	31 3/8	80.0	84.4
	28 3/8	80.0	90.0

(1) FRAME HEIGHT SHOWN CONSIDERS THE CONDITION WHEN ADA SILL IS USED. FRAME HEIGHT IS 9/16" LESS WHEN STANDARD SILL IS USED.

(2) WHEN AN ADA/FLUSH SADDLE SILL IS USED, THESE DOORS ARE NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR UNLESS UNITS ARE INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT & THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION OR THEY ARE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG WHERE-BY THE OVERHANG(OH) RATIO IS EQUAL TO OR MORE THAN 1.0 PER FBC.

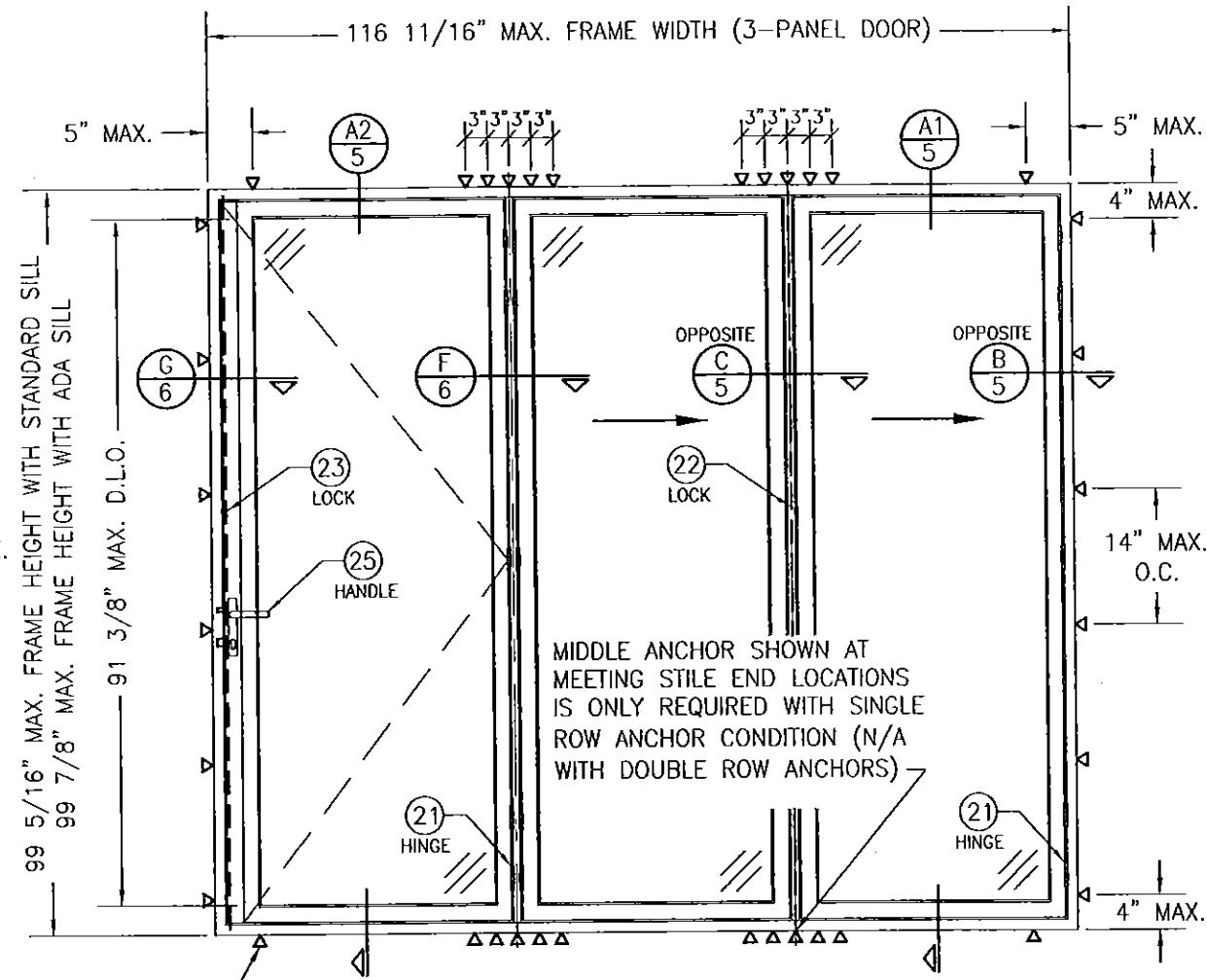
DRAWING NO. 1635		REV. B	
SHEET NO. 1 OF 8			
CERTIFICATION <div> APR 15 2015</div>			
DRAWING TITLE SL-73 OUT-SWING IMPACT FOLDING PANELS			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 561-714-2024			
MANUFACTURER NANA WALL SYSTEMS, INC 707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673			
NO.	REVISION DESCRIPTION	BY	DATE
A1	UPDATE CONSULTANTS ADDRESS	W.W.S.	10/18/11
B1	UPDATE TO CURRENT STANDARDS	W.W.S.	02/18/15

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 11/23/09



EXTERIOR ELEVATION:
(1 DIRECTION FOLDING PANELS)
 SCALE: 1/2" = 1'-0"

(4-PANEL DOOR SHOWN. SEE SHEET 4 FOR OTHER DOOR PANEL QUANTITY CONDITIONS AND RESTRICTIONS.)



EXTERIOR ELEVATION:
(1 DIRECTION FOLDING PANELS WITH SWING PANEL LOCKING TO JAMB)
 SCALE: 1/2" = 1'-0"

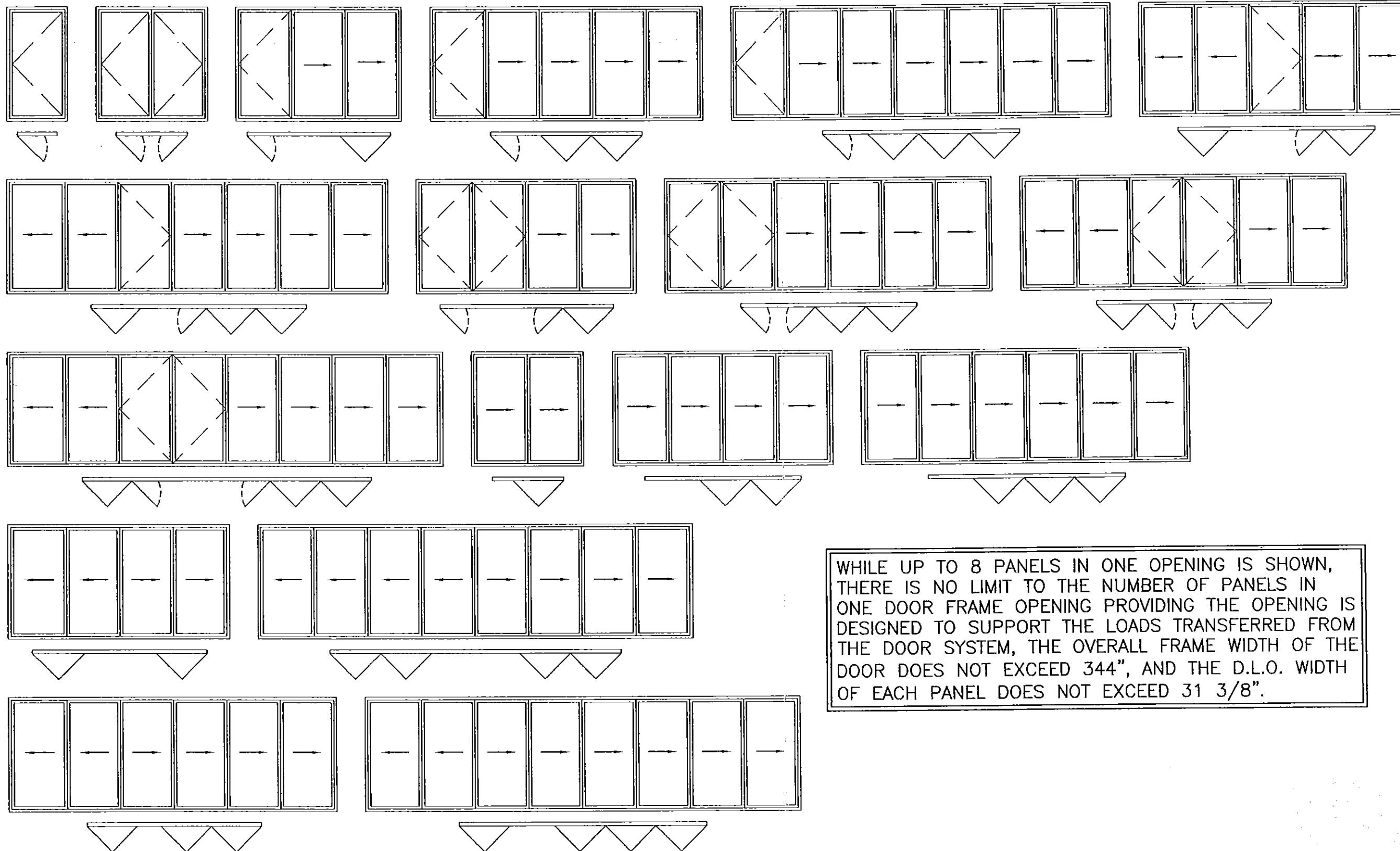
(ACTIVE SWING DOOR SHOWN WITH MULTI-POINT LOCK. DEADBOLT/FLUSH BOLT LOCK COMBINATION ALSO APPLIES)

(3-PANEL DOOR SHOWN. SEE SHEET 4 FOR OTHER DOOR PANEL QUANTITY CONDITIONS AND RESTRICTIONS.)

FRAME SCREWS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS (APPLICABLE TO SINGLE OR DOUBLE ROW OF SCREWS).

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 15-0226.05
 Expiration Date 08/12/2020
 By *[Signature]*
 Miami Dade Product Control

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 11/23/09	
NO.	REVISION DESCRIPTION	BY	DATE

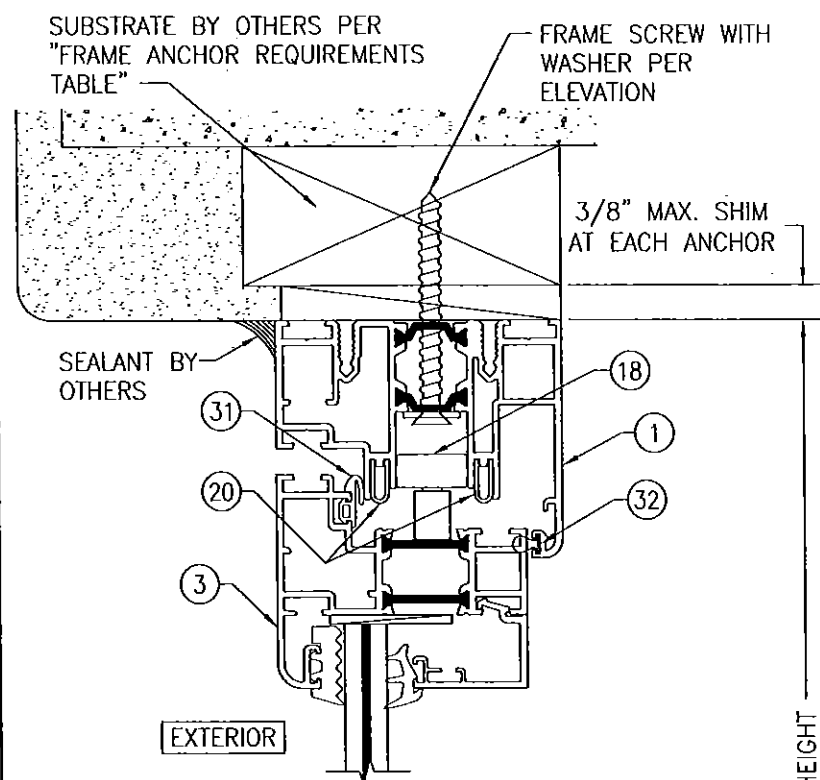


WHILE UP TO 8 PANELS IN ONE OPENING IS SHOWN, THERE IS NO LIMIT TO THE NUMBER OF PANELS IN ONE DOOR FRAME OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT THE LOADS TRANSFERRED FROM THE DOOR SYSTEM, THE OVERALL FRAME WIDTH OF THE DOOR DOES NOT EXCEED 344", AND THE D.L.O. WIDTH OF EACH PANEL DOES NOT EXCEED 31 3/8".

CONDITIONS SHOWN ARE THE MAJORITY OF THOSE USED. OTHER CONDITIONS OF FOLDING & SWING PANELS APPLY PROVIDING THEY ARE WITHIN THE SCOPE OF THE DETAILS WITHIN THIS DRAWING.

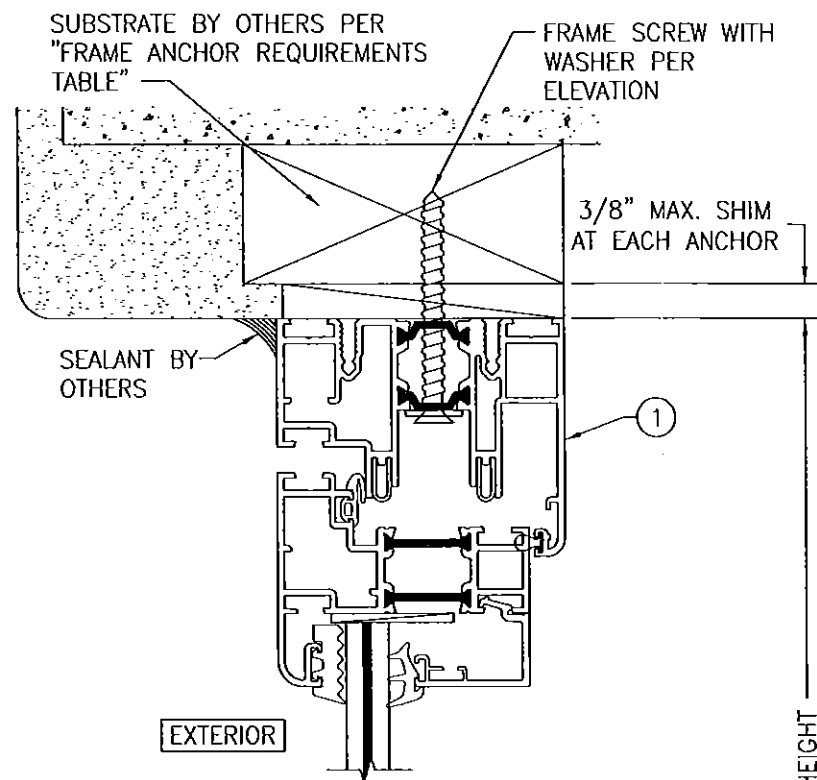
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 15-0226.05
Expiration Date 08/11/2020
By *Alan Davis*
Miami Dade Product Control

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 11/23/09	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: SL-73 OUT-SWING IMPACT FOLDING PANELS			
CONSULTANT'S W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER NANA WALL SYSTEMS, INC 707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673	
CERTIFICATION APR 15 2015		DRAWING NO. 1635 SHEET NO. 4 OF 8	
WARREN W. SCHAEFER, P.E. P.E. NO. 44135		REV. B	



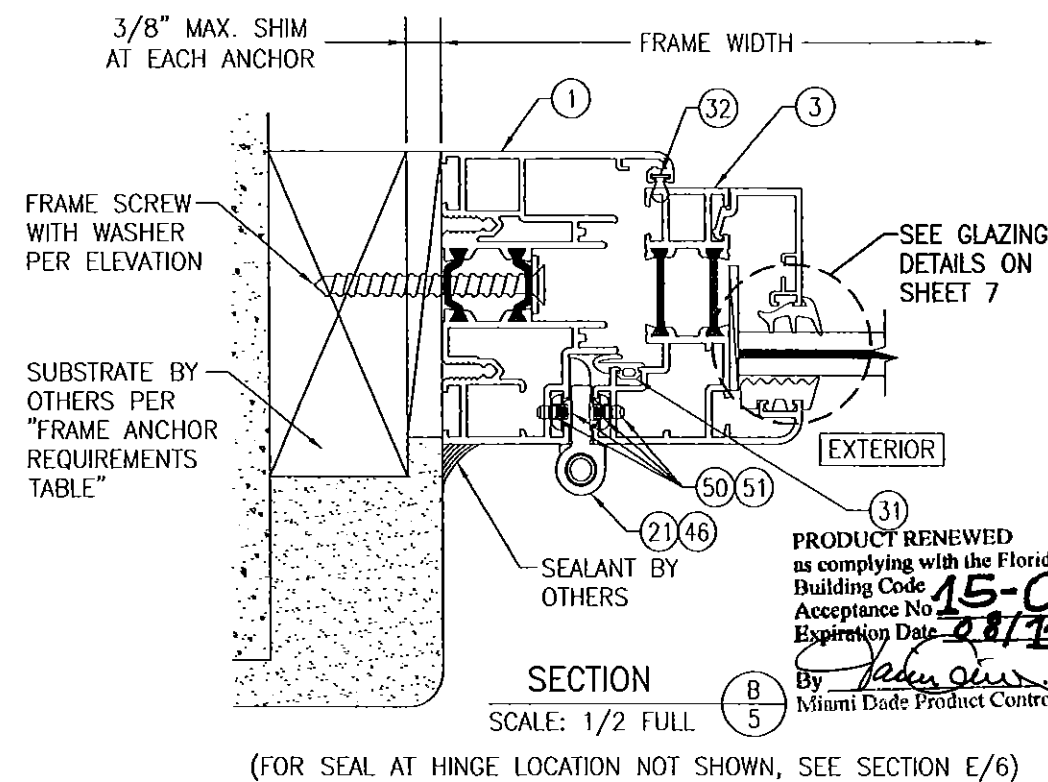
SECTION A1/5
SCALE: 1/2 FULL

* STANDARD LOW PROFILE SILL RAIL CONDITION SHOWN. SEE "HIGH PROFILE SILL RAIL DETAIL" ON SHEET 6 FOR HIGH PROFILE SILL RAIL CONDITION
* STANDARD SILL CONDITION SHOWN. SEE "FLUSH SADDLE SILL DETAIL" ON SHEET 7 FOR ADA SILL CONDITION

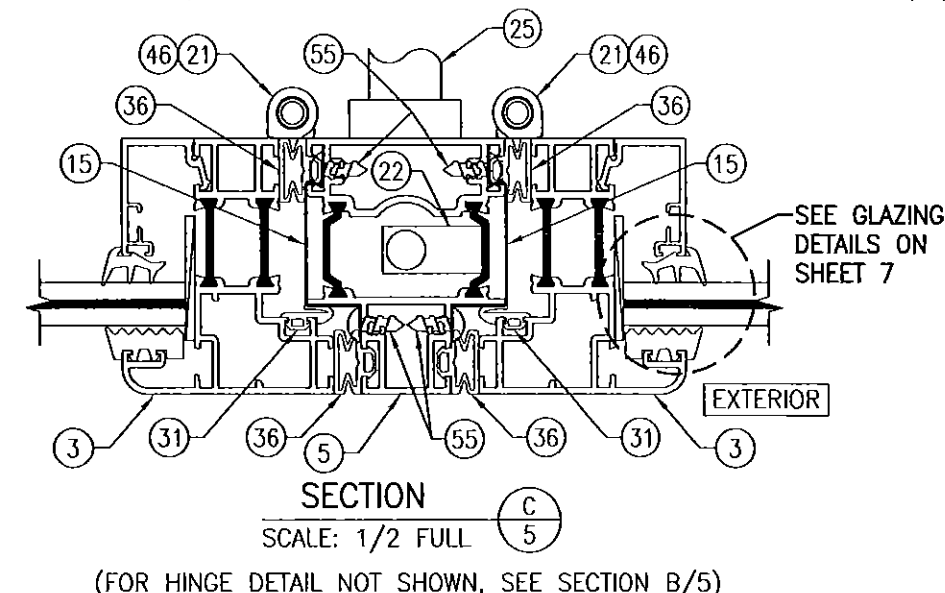


SECTION A2/5
SCALE: 1/2 FULL
(FOR DETAIL NOT SHOWN, SEE SECTION A1/5)

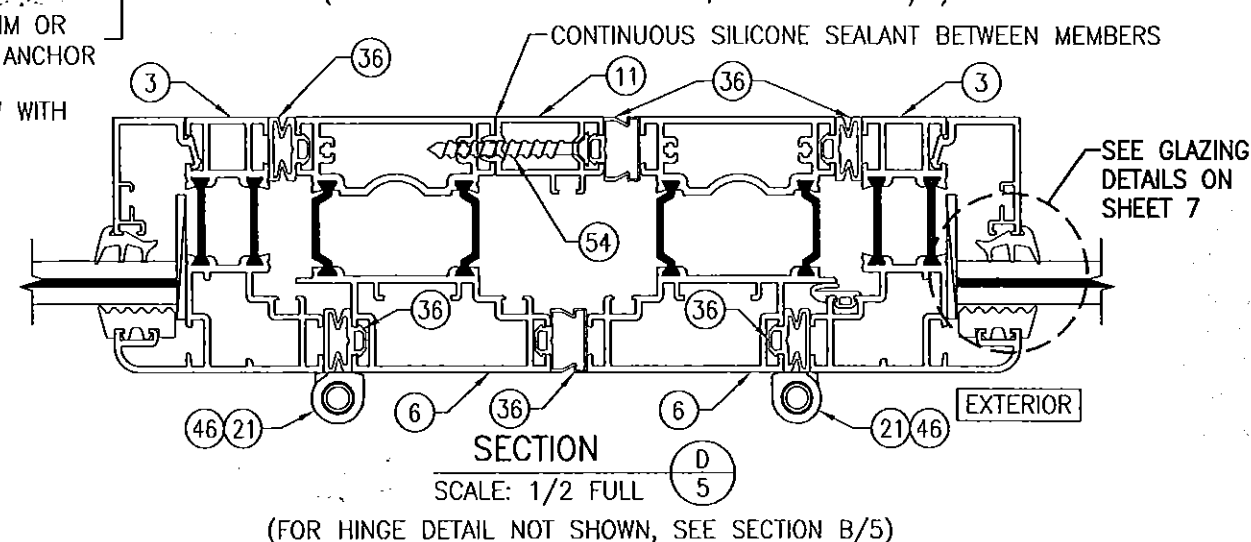
INSTALLATION CONDITION SHOWN IN THESE SECTIONS IS FOR A SINGLE ANCHOR ROW CONDITION. FOR THE DOUBLE ANCHOR ROW CONDITION, SEE "DOUBLE ANCHOR ROW DETAILS" ON SHEETS 6 & 7



SECTION B/5
SCALE: 1/2 FULL
(FOR SEAL AT HINGE LOCATION NOT SHOWN, SEE SECTION E/6)

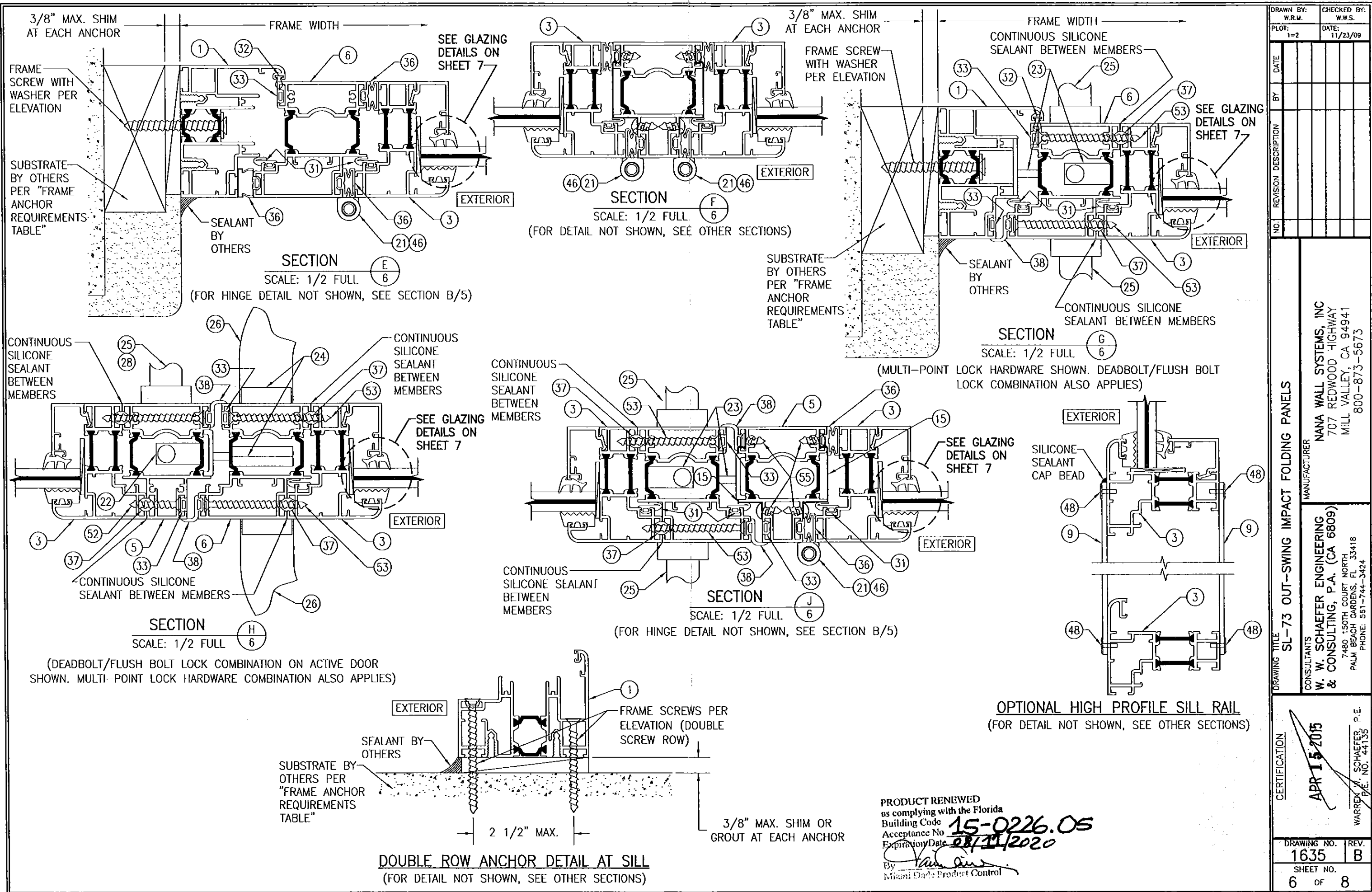


SECTION C/5
SCALE: 1/2 FULL
(FOR HINGE DETAIL NOT SHOWN, SEE SECTION B/5)



SECTION D/5
SCALE: 1/2 FULL
(FOR HINGE DETAIL NOT SHOWN, SEE SECTION B/5)

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 11/23/09
DATE	
BY	
REVISION DESCRIPTION	
NO.	
<p>SL-73 OUT-SWING IMPACT FOLDING PANELS</p> <p>MANUFACTURER NANA WALL SYSTEMS, INC 707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673</p> <p>CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424</p> <p>CERTIFICATION APR 15 2015 WARREN W. SCHAEFER, P.E. P.E. NO. 44135</p>	
DRAWING NO. 1635	REV. B
SHEET NO. 5	OF 8



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 11/23/09	
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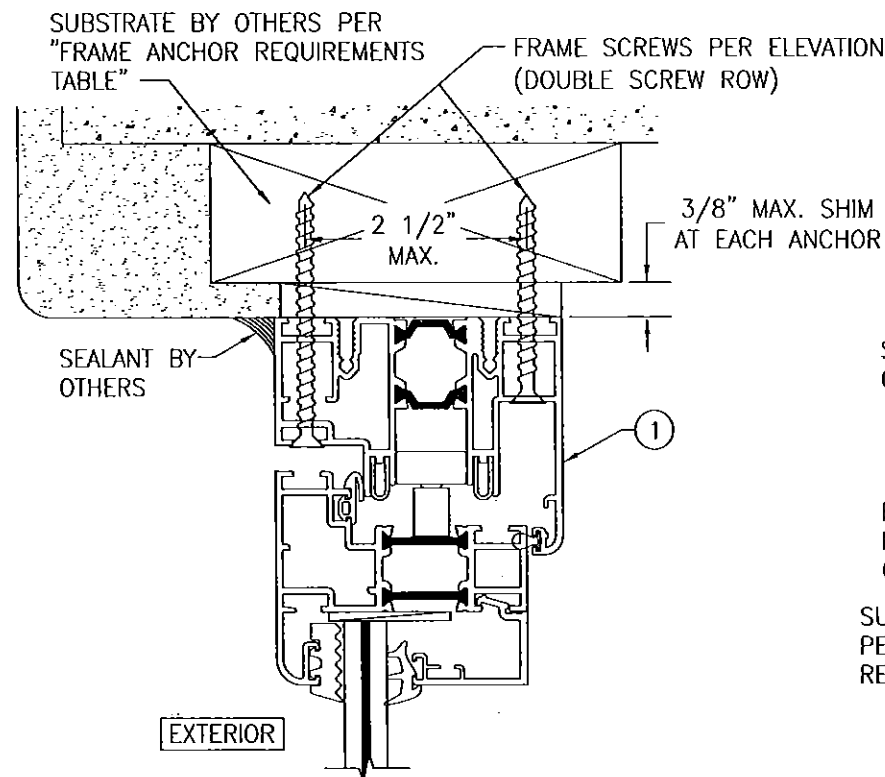
MANUFACTURER
NANA WALL SYSTEMS, INC
707 REDWOOD HIGHWAY
MILL VALLEY, CA 94941
800-873-5673

CONSULTANTS
W. W. SCHAEFER ENGINEERING
& CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

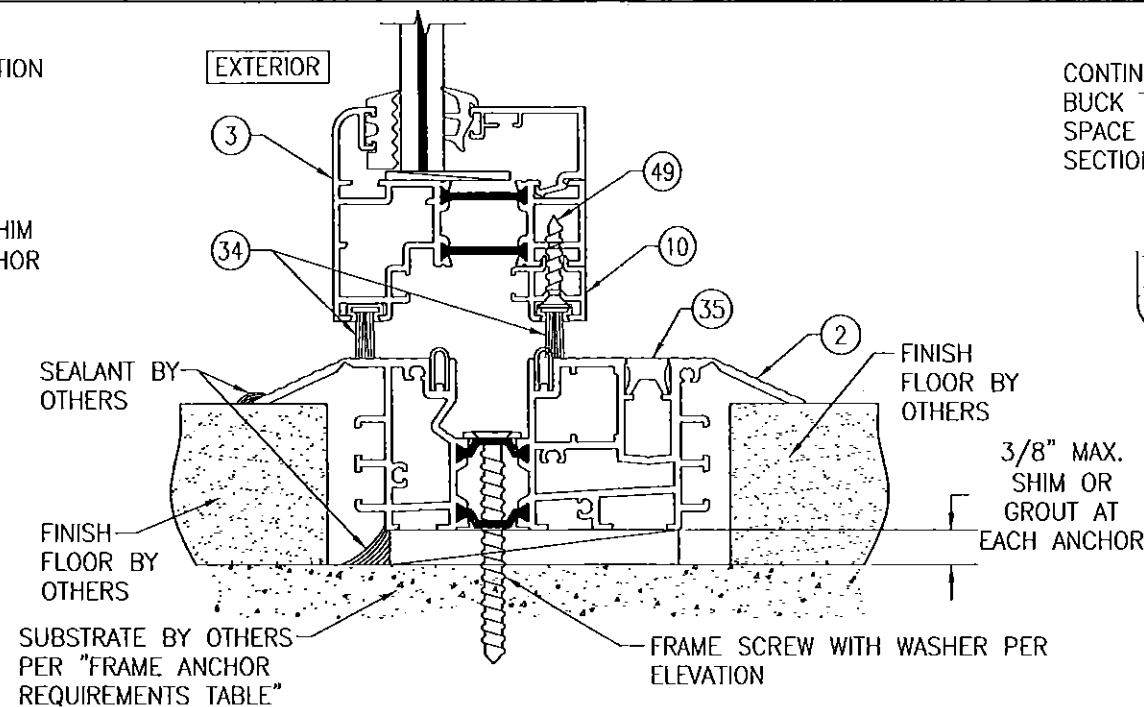
CERTIFICATION
APR 15 2015
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO.
1635
SHEET NO.
6 OF 8

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 15-0226.05
Expiration Date 08/11/2020
By [Signature]
Miami Dade Product Control

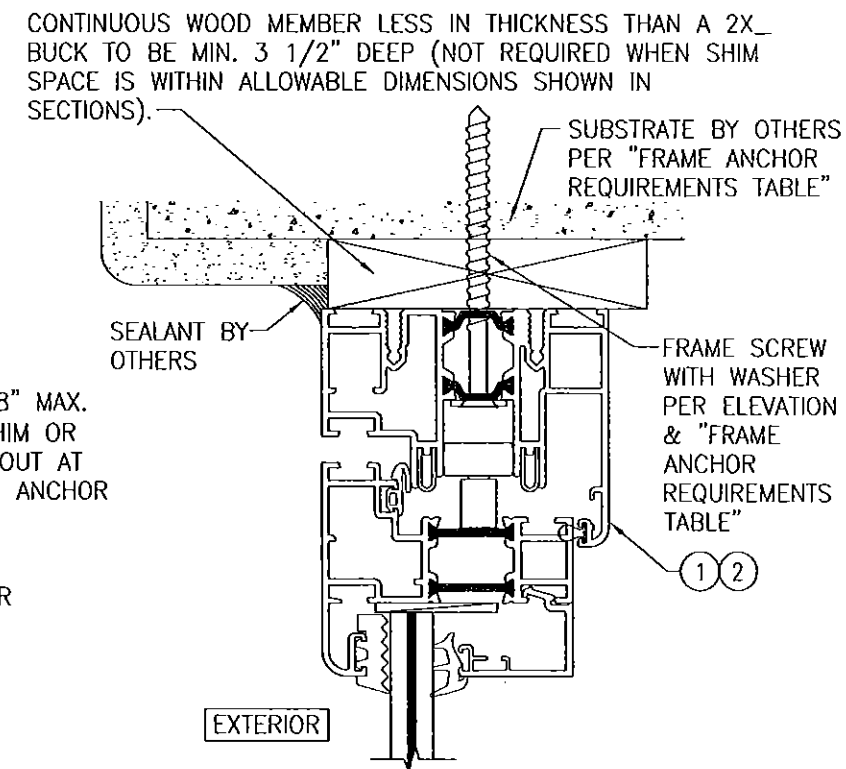


DOUBLE ROW ANCHOR DETAIL AT HEAD & SIDES
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
(HEAD SECTION SHOWN. SIDES ARE INSTALLED THE SAME)

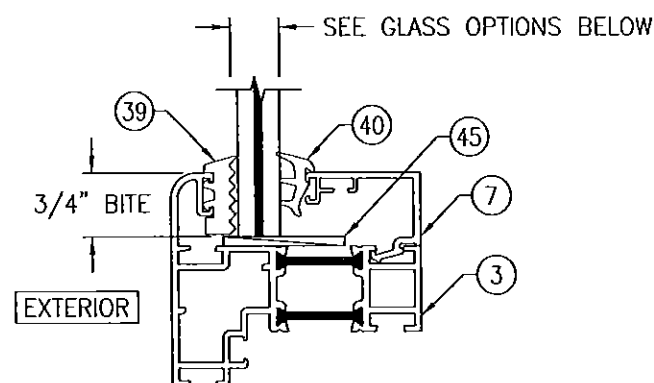


FLUSH SADDLE SILL DETAIL
(SWING DOOR SHOWN. FOLDING PANELS ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
(DOUBLE SCREW ROW DOES NOT APPLY TO THIS DETAIL)

WHEN AN ADA/FLUSH SADDLE SILL IS USED, THESE DOORS ARE NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR UNLESS UNITS ARE INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT & THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION OR THEY ARE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG WHERE-BY THE OVERHANG(OH) RATIO IS EQUAL TO OR MORE THAN 1.0 PER FBC.

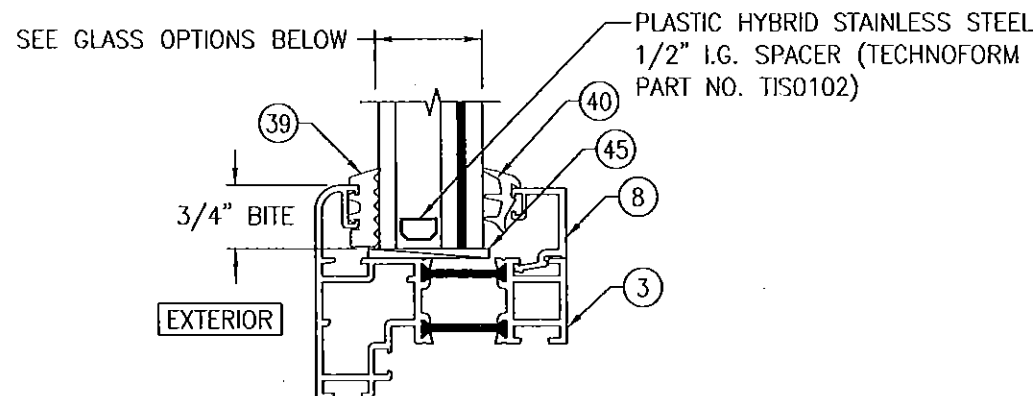


OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER
(HEAD SECTION SHOWN. SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
(SINGLE SCREW ROW INSTALLATION SHOWN. DOUBLE SCREW ROW ALSO APPLIES)



NON-I.G. GLAZING DETAIL
GLASS OPTIONS 1 & 2

GLASS OPTION 1: 7/16" LAMINATED GLASS (3/16" H.S./0.09 DUPONT SG/3/16" H.S.)
GLASS OPTION 2: 7/16" LAMINATED GLASS (3/16" AN./0.09 DUPONT SG/3/16" AN.)



I.G. GLAZING DETAIL
GLASS OPTIONS 3, 4, 5 & 6

GLASS OPTION 3: 1 1/8" I.G. LAMINATED GLASS (3/16" H.S./0.09 DUPONT SG/3/16" H.S. INTERIOR; 1/2" AIR SPACE; 3/16" TEMP. EXTERIOR)
GLASS OPTION 4: 1 1/8" I.G. LAMINATED GLASS (3/16" H.S./0.09 DUPONT SG/3/16" H.S. INTERIOR; 7/16" AIR SPACE; 1/4" TEMP. EXTERIOR)
GLASS OPTION 5: 1 1/8" I.G. LAMINATED GLASS (3/16" AN./0.09 DUPONT SG/3/16" AN. INTERIOR; 1/2" AIR SPACE; 3/16" TEMP. EXTERIOR)
GLASS OPTION 6: 1 1/8" I.G. LAMINATED GLASS (3/16" AN./0.09 DUPONT SG/3/16" AN. INTERIOR; 7/16" AIR SPACE; 1/4" TEMP. EXTERIOR)

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 15-0226.05
Expiration Date 2/28/2020
By *[Signature]*
Miami Dade Product Control

DRAWN BY: W.R.V.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 11/23/09	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE: SL-73 OUT-SWING IMPACT FOLDING PANELS			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER: NANA WALL SYSTEMS, INC.	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		707 REDWOOD HIGHWAY MILL VALLEY, CA 94541 800-873-5673	
CERTIFICATION: APR 15 2015		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1635		REV. B	
SHEET NO. 7		OF 8	

